

# Field Service Procedure

Top Plate with Tilt/Swivel Mount  
Anesthesia



Revision -  
1/19/04  
SP00304

## Service Procedure

## Top Plate with Tilt/Swivel Mount

### TOP PLATE WITH TILT/SWIVEL MOUNT

#### 1 GENERAL INFOR- MATION

##### 1.1 Purpose:

The purpose of this guide is to describe attachment of Tilt/Swivel and Top Plate.



SP304001

**Fig. 1** Top Plate with Tilt/Swivel Mounted on Tiro

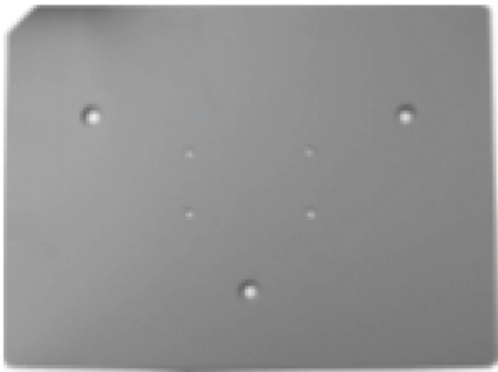
Top Plate with Tilt/Swivel Mount

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1.2 Kit Contents

The following parts and hardware are included with this installation kit (see Fig. 2 for parts; hardware not shown):

Item #	Description	Qty
1	Top Plate/Channel Assembly	1
2	M5 x 35mm Pan Head Machine Screw (PHMS)	3
3	Horizontal Mount	1
4	M5 x 10mm Flat Head Machine Screw (FHMS)	4
5	5/32" Hex Key	1
6	Label, Tip Caution	1



Top Plate



TILT/SWIVEL MOUNT

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Fig. 2 Kit Contents

1.3 Tools Required:

Phillips screwdriver, drill and 1/4" drill bit.

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## Top Plate with Tilt/Swivel Mount

### 2 ATTACHING THE TILT/SWIVEL MOUNT AND TOP PLATE



1. Find the three (3) threaded inserts by locating the three (3) dimples toward the top front of the anesthesia machine. Refer to [Fig. 3](#).

#### NOTE:

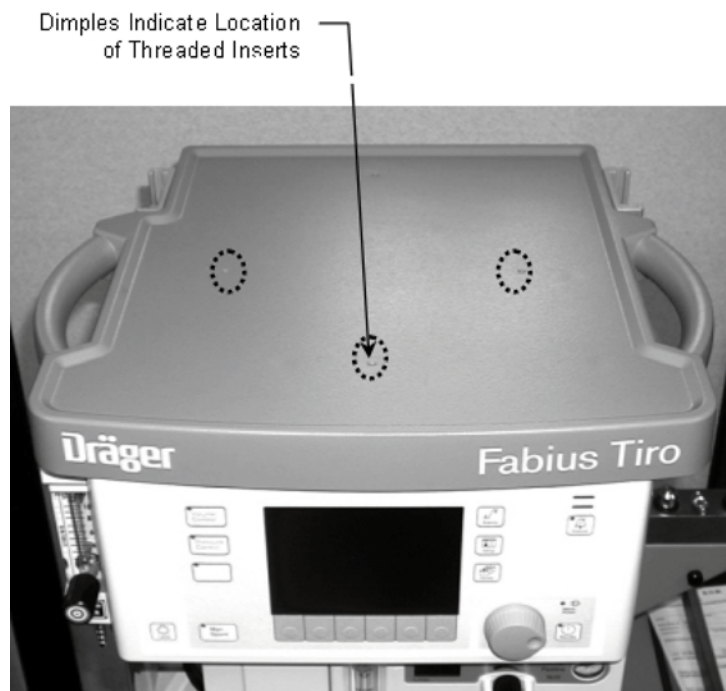
The fourth dimple at the rear is not used for this installation

2. Drill holes precisely in the center of the dimples using a 1/4" (6mm) diameter drill bit. Refer to [Fig. 3](#).



#### CAUTION:

Do not allow the drill bit to penetrate more than 3/4" (20mm) into the top surface. Drilling too deeply will damage insert threads and internal components of the machine. Remove all drilling debris.



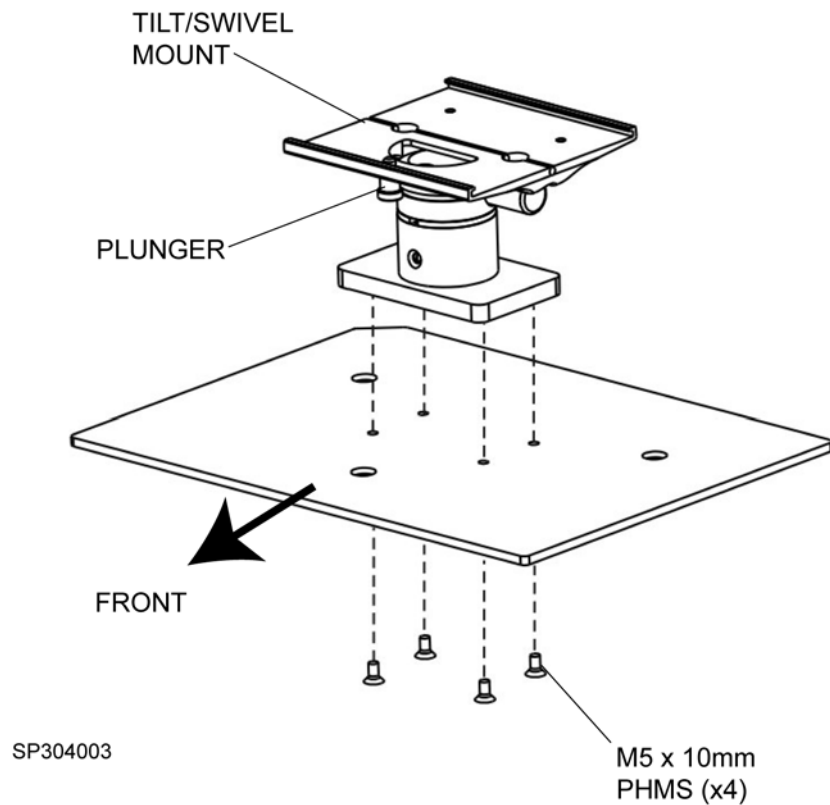
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**Fig. 3** Dimple Locations and Drilling

## Top Plate with Tilt/Swivel Mount

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3. Attach the Tilt/Swivel Mount and Top Plate with four (4) M5 x 10mm FHMS. Ensure the Plunger is oriented toward the front of the plate. Refer to Fig. 4.

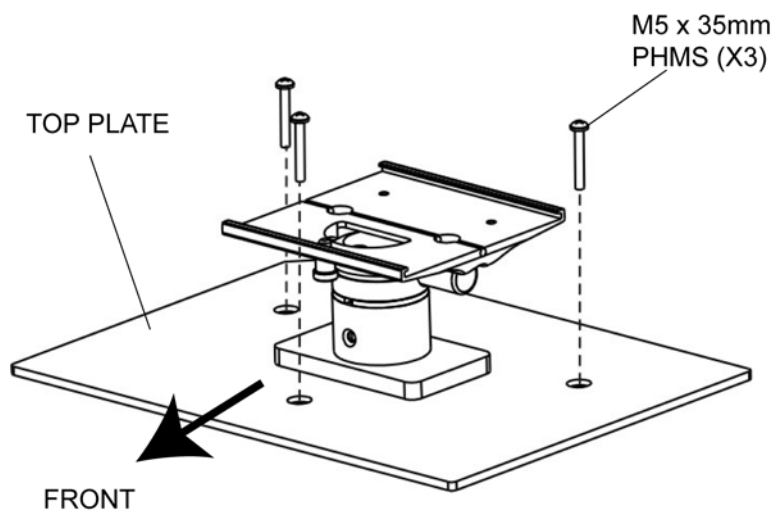


**Fig. 4** Tilt/Swivel Mount and Top Plate Attachment

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## Top Plate with Tilt/Swivel Mount

4. Align the Top Plate with three (3) mounting holes drilled in step 2. Thread three (3) M5 x 35mm PHMS through the Top Plate and into the mounting holes in to of the machine. Refer to [Fig. 5](#).



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**Fig. 5** Top Plate Attachment

5. Attach the Tip Caution Label to the front center of blue top shelf bezel. Refer to [Fig. 6](#).



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**Fig. 6** Tip Caution Label Attachment

Top Plate with Tilt/Swivel Mount

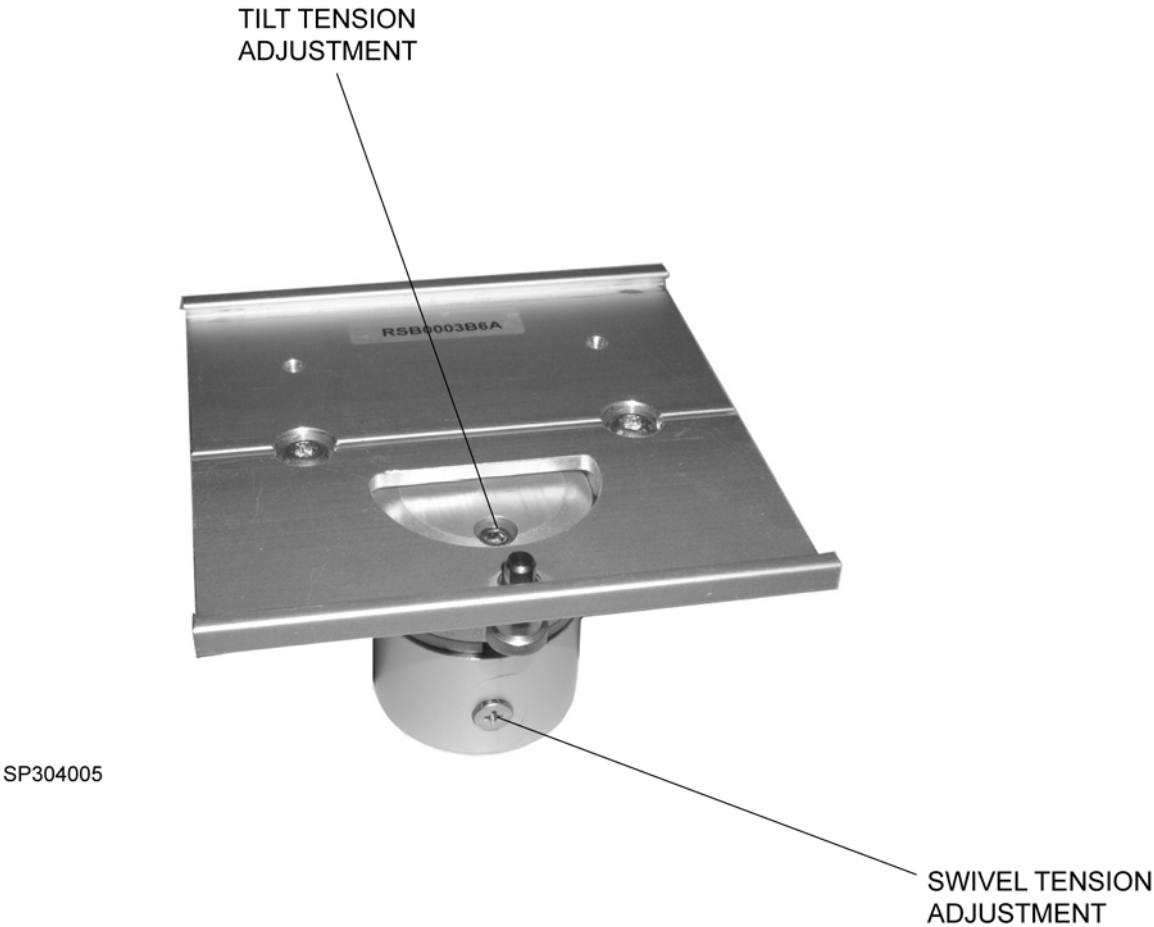
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3     **MAKING TILT AND SWIVEL TENSION ADJUSTMENTS**

3.1     **Tilt Tension**                      Tilt tension is adjusted by tightening or loosening the socket set screw on the top of the Roll Stand Post. A 5/32" hex key is provided for this adjustment.

3.2     **Swivel Tension**                      Swivel tension is adjusted by tightening or loosening the screw on the side post immediately below the Mounting Plate.

Refer to [Fig. 7](#) for tension adjustment locations.



**Fig. 7**     Tension Adjustment Locations

In the United States:  
Draeger Medical, Inc.  
3136 Quarry Road  
Telford, PA 18969  
USA

Tel: (215) 721-5402  
(800) 543-5047  
Fax: (215) 721-5785

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Subject to change without notice.  
Will not be replaced in the event of modifications.

In all other countries:  
Dräger Medical AG & Co. KGaA  
Moislinger Allee 53 – 55  
D-23542 Lübeck  
Germany

Tel: (++49) (0) 1805-3723437  
Fax: (++49) 451/882 - 3779